

What is claimed is:

1. A colored decoration material which is composed of a cycloolefin co-oligomer whose refractive index n_D (25°C) is from 1.50 to 1.60 and whose Abbé number is from 50 to 60.
2. The decoration material as claimed in claim 1, wherein the oligomer is composed of at least one cyclic olefin monomer and of at least one acyclic olefin monomer.
3. The decoration material as claimed in claim 1 or 2, wherein the cycloolefin co-oligomer is a norbornene-ethylene or tetracyclodecene-ethylene co-oligomer.
4. The decoration material as claimed in any of claims 1 to 3, wherein the intertwining length M_c of the oligomer = $2 \cdot M_e = 10\,000$ g/mol.
5. The decoration material as claimed in any of claims 1 to 4, wherein the molar mass of the cycloolefin co-oligomer is < 5000 g/mol.
6. The decoration material as claimed in any of claims 1 to 5, wherein the average chain length of the cycloolefin co-oligomer is smaller than $2 \cdot M_e$.
7. The decoration material as claimed in any of claims 1 to 6, wherein the intrinsic viscosity $[\eta]$ of the cycloolefin co-oligomer is in the range from ≤ 25 to ≤ 15 .
8. The decoration material as claimed in any of claims 1 to 7, wherein the density of the cycloolefin co-oligomer is from 0.95 to 1.05 g/cm³.
9. The decoration material as claimed in any of claims 1 to 8, wherein the haze of the cycloolefin co-oligomer is from 1 to 50%.
10. The decoration material as claimed in any of claims 1 to 9, wherein the clarity of the cycloolefin co-oligomer is from 50 to 99%.
11. The decoration material as claimed in any of claims 1 to 10, wherein

the luster value of the cycloolefin co-oligomer is from 50 to 140%.

12. The decoration material as claimed in any of claims 1 to 11, which is spherical, cylindrical, or lamellar.
13. The decoration material as claimed in any of claims 1 to 12, which comprises one or more dyes selected from the group consisting of Solvaperm Blue B, Solvaperm Green G, Polysynthren Yellow GG, Polysynthren Violet G, Polysynthren Blue R, Solvaperm Yellow 2G, Solvaperm Orange G, Solvaperm Red G, Solvaperm Red GG, Solvaperm Red Violet R, PV Fast Red E5B 02, PV Fast Pink E, PV Fast Blue A2R, PV Fast Blue B2G 01, PV Fast Green GNX, PV Fast Yellow HG, PV Fast Yellow HGR, PV Fast Yellow H3R, PV Red HG VP 2178, Polysynthren Brown R, Hostasol Yellow 3G, Hostasol Red GG, Hostasol Red 5B.
14. The decoration material as claimed in claim 13, wherein the dye is Solvaperm Blue B, Solvaperm Green G, Polysynthren Yellow GG, Polysynthren Violet G, Polysynthren Blue R, Solvaperm Yellow 2G, Solvaperm Orange G, Solvaperm Red G, Solvaperm Red GG, Solvaperm Red Violet R, PV Fast Red E5B 02, PV Fast Pink E, PV Fast Blue A2R, PV Fast Blue B2G 01, PV Fast Green GNX, PV Fast Yellow HG, PV Fast Yellow HGR, PV Fast Yellow H3R, PV Red HG VP 2178, Polysynthren Brown R, Hostasol Yellow 3G, Hostasol Red GG, Hostasol Red 5B.
15. The decoration material as claimed in claim 13 or 14, wherein the concentration present of the dyes is from 0.0001 to 1.0% by weight.
16. A process for production of a decoration material as claimed in claim 1, which comprises melting a cycloolefin co-oligomer and at least one dye together, and converting them into the desired shape in the molten state and then cooling them.
17. A process for production of a decoration material as claimed in claim 1, which comprises melting a cycloolefin co-oligomer and at least one dye together, converting them to the desired shape in the molten state and then using a Sandvik belt to cool them in such a

way as to produce marked shrinkage in the decorative beads, so that the density of the decorative beads is $< 1.00 \text{ g/cm}^3$.

- 5 18. A mixture composed of two or more decoration materials as claimed in claim 1, where the density of at least one portion of the decoration material is greater than 1.0 g/cm^3 and the density of another portion is smaller than and/or equal to 1.09 g/cm^3 .
- 10 19. The use of a decoration material as claimed in claim 1 as filler material in vases, as display material in display windows, or as table-decoration material.